

## N<sub>2</sub> Reflow Oven for Lead-Free Soldering of Semiconductor ECO-Reflow SNR-725/-846

Highly acclaimed reflow oven meets need for high reliability, uniform oxygen concentration and low nitrogen gas consumption in semiconductor packaging and industrial equipment industries.



### ■ Features

- An airtight muffle structure maintains an uniform oxygen concentration of 100 ppm or less.  
Low nitrogen gas consumption (100 ppm at 300 l/min.) has been achieved in every zone of the oven.
- Porous ceramic, far-infrared radiation and  $\alpha$ -flow heating system, all combined, achieve a minimized  $\Delta T$ .
- The standard model comes with an automatic flux recovery system.
- High-efficiency adiabatic structure saves power consumption. (35kW for 7 zones)
- High degree of freedom in profile setting.
- Available for high temp. reflow (max. 350°C) [Option]

### ■ SNR-725/-846 Standard Specification

● Dimensions	SNR-725: 5,340 mm (L) x 1,143 mm (W) x 1,385 mm (H) SNR-846: 5,940 mm (L) x 1,303 mm (W) x 1,385 mm (H)	● Power supply (Max.)	200 VAC, 40kW, three-phase [SNR-846/53kW]
● Conveyor speed	0.3 to 2.0 m/min. (Variable)	● PCB access	Width: 50 to 250 mm for SNR-725; 50 to 460 mm for SNR-846 Length: 100 to 400 mm for SNR-725; 100 to 500 mm for SNR-846
● Pass line	900 ± 20 mm, in-line design available	● PCB access height	Upper side: 10 mm, Underside: 5 mm (Variable)
● Heater system	Far-infrared panel heaters and hot air blowers used in combination (14 units in 7 heating zone for SNR-725; 16 units in 8 heating zone for SNR-846)	● Operation control	Microcomputer
● Cooling unit	Top-and-bottom cold blast cooling by coolant circulation	● Weight	Approx. 1,800 kg (SNR-725) and 2,400 kg (SNR-846)
		● Options	Customer-specified color, automatic width adjuster, warp prevention mechanism, board fall detector, and others

★ For improvement, modification will be implemented without prior notice.

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